

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

1043.001

Not yet assigned

APPLICANT

Stephen L. Biracree, Azzedine Touzni, Thomas J. Endres,
Christopher H. Strolle, Samir N. Hulyalkar, and
Rául A. Casas

FILING DATE

GROUP

Not yet assigned

Not yet assigned

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|------------|----|--|
| <i>RMB</i> | AH | "Uniqueness Of The Maximum Likelihood Estimates Of The Parameters Of An ARMA Model" by Karl J. Åström and Torsten Söderström, IEEE Transactions On Automatic Control, December 1974, pps. 769-773. |
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EXAMINER

Karin M. Bond

DATE CONSIDERED

6/24/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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|---------------------|----|-----------------|----------|----------------|-------|----------|-------------------------------|
| <i>RMB</i> | AA | 5,872,815 | 02/16/99 | Strolle et al. | | | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| <i>RMB</i> | AB | "The Performance of Staggered Quadrature Amplitude Modulation in the Presence of Phase Jitter" by Richard D. Gitlin and Edmond Y. Ho, IEEE Transactions On Communications, Vol. COM-23, No. 3, March 1975, pps. 348-352. |
| | AC | "Timing Recovery In Digital Synchronous Data Receivers" by Kurt H. Mueller and Markus Müller, IEEE Transactions On Communications, Vol. Com- 24, No. 5, May 1976, pps. 516-531. |
| <i>1</i> | AD | "Practical Blind Demodulators For High-Order QAM Signals" by John R. Treichler, Michael G. Larimore and Jeffrey C. Harp, Proceedings of the IEEE, Vol. 86, No. 10, October 1998, pps. 1907-1926. |
| | AE | "Blind Equalization Using the Constant Modulus Criterion: A Review" by C. Richard Johnson, Jr., et al, Proceedings of the IEEE, Vol. 86, No. 10, October 1998, pps. 1927-1950. |
| <i>↓</i> | AF | "Global Convergence Of A Single-Axis Constant Modulus Algorithm" by A. Shah, S. Biracree, R. A. Casas, T. J. Endres, S. Hulyalkar, T. A. Schaffer and C. H. Strolle, Technical Memo, NxtWave Communications, Langhorne, PA. |
| | AG | "A New Approach to Multipath Correction Of Constant Modulus Signals" by John R. Treichler and Brian G. Agee, IEEE Transactions On Acoustics, Speech, And Signal Processing, Vol. ASSP-31, No. 2, April 1983, pps. 459-471. |

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| EXAMINER <i>Kevin M. Burt</i> | DATE CONSIDERED <i>6/24/04</i> |
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1043.001

09/761,303

APPLICANT

Stephen L. Biracree, Azzedine Touzni, Thomas J. Endres,
Christopher H. Strolle, Samir N. Hulyalkar, and
R  ul A. Casas

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GROUP

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STANDARD DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
|--|----|--|--|
| HMB | BA | | "Digital Communication," Lee and Messerschmitt, Appendix 17-B, Kluwer Academic Publishers, Norwell, MA, Second Edition, 1994. |
| | BB | | "Self-Recovering Equalization and Carrier Tracking in Two-Dimensional Data Communication Systems" by D. N. Godard, IEEE Transactions on Communications, Vol. 28, No. 11, pp. 1867-1875, Oct. 1980. |
| ↓ | BC | | "Techniques for Adaptive Equalization of Digital Communication Systems" by R. W. Lucky, <u>Bell Systems Technical Journal</u> , Vol. 45, No. 2, pp. 255-286, Feb. 1966. |
| | BD | | "Blind Deconvolution," by Simon Haykin, Chapter 2, Prentice Hall, Englewood Cliffs, NJ, 1994, pps. 8-59. |
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| EXAMINER <i>Karen M. Bond</i> | DATE CONSIDERED <i>6/24/04</i> |
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